

Title (en)
Operating an ink jet.

Title (de)
Betreiben eines Tintenstrahls.

Title (fr)
Production d'un jet d'encre.

Publication
EP 0115180 A2 19840808 (EN)

Application
EP 83307850 A 19831222

Priority
US 45329582 A 19821227

Abstract (en)
For controlling the volume of ink droplets ejected from a drop on demand ink jet apparatus including a transducer (204) operable for producing a pressure disturbance within an associated ink chamber (200) for ejecting an ink droplet from an associated orifice (202), the transducer (204) is operated in an iterative manner for producing a plurality of successively equal or higher or lower amplitude pressure disturbances, or some combination thereof, within the ink chamber (200), for causing a plurality of successively equal or higher or lower velocity ink droplets, or some combination thereof, to be ejected from the orifice (202) of the ink jet apparatus, within a time period permitting the ink droplets to either merge in flight or upon striking a recording medium.

IPC 1-7
B41J 3/04

IPC 8 full level
B41J 2/205 (2006.01); **B41J 2/005** (2006.01); **B41J 2/015** (2006.01); **B41J 2/21** (2006.01); **G01D 15/18** (2006.01)

CPC (source: EP)
B41J 2/04581 (2013.01); **B41J 2/04588** (2013.01); **B41J 2/0459** (2013.01); **B41J 2/04595** (2013.01); **B41J 2/2128** (2013.01);
B41J 2202/06 (2013.01)

Cited by
EP0885732A1; US6086189A; US6151050A; EP0609997A3; US5600349A; EP0827838A3; EP1332876A3; EP1366919A3; EP0194852A3; DE3513442A1; DE3513442C2; US6488349B1; US6328395B1; US6281913B1; WO0121408A1; WO9808687A1; WO9851504A1; US6312096B1; US6464329B1; EP0737586B1

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0115180 A2 19840808; **EP 0115180 A3 19851106**; **EP 0115180 B1 19900404**; AT E51582 T1 19900415; CA 1232490 A 19880209; DE 3381406 D1 19900510; JP H07108568 B2 19951122; JP S59133066 A 19840731

DOCDB simple family (application)
EP 83307850 A 19831222; AT 83307850 T 19831222; CA 444199 A 19831223; DE 3381406 T 19831222; JP 24493983 A 19831227